

FORM PTO-1449

ATTY DOCKET NO.: CRP-059CP (2054/28)

INFORMATION DISCLOSURE STATEMENT

APPLICANT: Kuberasampath et al.

SERIAL NO.: 07/938,336- 09/597517

FILING DATE: 8/28/92^{6/20/00}

GROUP: 1646

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
EEK	AA	4,877,864	10/89	Wang et al.			
	AB	4,968,590	11/90	Kuberasampath et al.			
	AC	4,975,526	12/90	Kuberasampath et al.			
	AD	5,011,691	4/91	Oppermann et al.			
	AE	5,013,649	5/91	Wang et al.			
	AF	5,091,513	2/92	Huston et al.			
	AG	5,106,626	4/92	Parsons et al.			
	AH	5,108,753	4/92	Kuberasampath et al.			
	AI	5,141,905	8/92	Rosen et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
EEK	BA	0148155	1/85	EPO					
	BB	0416578	9/90	EPO					
	BC	88/00205	1/88	PCT					
	BD	89/09787	10/89	PCT					
	BE	89/09788	10/89	PCT					
	BF	89/10409	11/89	PCT					
	BG	90/03733	4/90	PCT					

Ayabir C. Kimmner 1/24/02

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EXAM. INIT.	OTHER ART, JOURNAL ARTICLES, ETC.
CA	Behringer et al., <u>Nature</u> , 345:167-170 (1990).
CB	Cate et al., <u>Cell</u> , 45:685-698 (1986).
CC	Celeste et al., <u>PNAS</u> , 87:9843-9847 (1990).
CD	Green et al., <u>Nature</u> , 347:391-394 (1990).
CE	Kuberasampath et al., <u>J. Biol. Chem.</u> , 265:13198-13205 (1990).
CF	Lee, <u>Molecular Endocrinology</u> , 90:1034-1040 (1990).
CG	Lee, <u>PNAS</u> , 88:4250-4254 (1991).
CH	Lyons et al., <u>PNAS</u> , 86:4554-4558 (1989).
CI	Lyons et al., <u>Genes & Development</u> , 3:1657-1668 (1989).
CJ	Mason et al., <u>Nature</u> , 318:659-663 (1985).
CK	Mason et al., <u>Mol. Endocrinology</u> , 3:1352-1358 (1989).
CL	Miller et al., <u>Cancer Research</u> , 42:2589-3594 (1987).

EXAMINER

Elizabeth C. Kemmer

DATE CONSIDERED

7/29/02

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SERIAL NO.: ~~07/938,336~~ 09/597517FILING DATE: ~~8/28/92~~ 6/24/00 GROUP: 1646

OK	CM	Ozkaynak et al., <u>Embo J.</u> , 9:2085-2093 (1990).
	CN	Ozkaynak et al., <u>Biochem. Biophys. Res. Comm.</u> , 179:116-123 (1991).
	CO	Padgett et al., <u>Nature</u> , 325:81-84 (1987).
	CP	Panganiban et al., <u>Mol. and Cell. Biol.</u> , 10:2669-2677 (1990).
	CQ	Sampath et al., <u>PNAS</u> , 80:6591-6595 (1983).
	CR	Schubert et al., <u>Nature</u> , 344:868-870 (1990).
	CS	Smith et al., <u>Nature</u> , 345:729-731 (1990).
	CT	Sokol et al., <u>Science</u> , 249:561-563 (1990).
	CU	Wang et al., <u>PNAS</u> , 87:2220-2224 (1990).
	CV	Wang et al., <u>PNAS</u> , 85:9484-9488 (1988).
	CW	Weeks, <u>Cell</u> , 51:861-867 (1987).

EXAMINER

Elyabik C. Kemmer

DATE CONSIDERED

1/24/02

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OK

CX ☒ Wharton et al., PNAS, 88:9214-9218 (1991).

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CY ☒ Vozney et al., Science, 242:1528-1534 (1988).

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CZ ☐ Yannas, Angew. Chem. Int. Ed. Engl., 29:20-35 (1990).

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Elyator C. Kummer

DATE CONSIDERED

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U.S. PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
OK	BA 0 269 408	6/88	EPO					
	BB 90/00900	2/90	PCT					
	BC 92/15323	9/92	PCT			3/11/92		
	BD 91/05802	5/91	PCT					
✓	BE 92/07073	4/92	PCT			10/18/91		

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INIT.

OTHER ART, JOURNAL ARTICLES, ETC.

OK	CA	Lefer et al., <u>Science</u> , Vol. 249, No. 4964, pp. 61-64, July 6, 1990.
	CB	Kuruvilla et al., <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 88, No. 7, pp. 2918-2921, April 1991.

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Ayala C. Kemme

DATE CONSIDERED

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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO.: CRP-059CPFW APPLICANT: Kuberasampath et al. FWC of SERIAL NO.: 08/165,511 09/597517 FILING DATE: Herewith 6/20/00 GROUP: 1805				
U.S. PATENT DOCUMENTS								
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ack	AA	5,118,791	Burnier et al.					
↓	AB	5,135,915	Czarniecki et al.					
FOREIGN PATENT DOCUMENTS								
EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLAS S	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
OTHER ART, JOURNAL ARTICLES, ETC.								
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
ack	CA	Wozney et al. (1988), "Novel Regulators of Bone Formation: Molecular Clones and Activities," 242 <i>Science</i> 1528-1534.						
	CB	Wang et al. (1988), "Purification and Characterization of Other Distinct Bone-Inducing Factors," 85 <i>PNAS</i> 9484-9488.						
	CC	Rosen et al. (1989), "Purification and Molecular Cloning of a Novel Group of BMPs and Localization of BMP mRNA In Developing Bone," 20 <i>Connect. Tissue Res.</i> 1-4:313-319.						
	CD	Wozney et al. (1990), "Bone Morphogenic Proteins," 1 <i>Prog. In Growth Factor Res.</i> 267-280.						
	CE	Wang et al. (1990), "Recombinant Human Bone Morphogenetic Protein Induces Bone Formation," 87 <i>PNAS</i> 2220-2224.						
	CF	Rosen et al.; Celeste et al. (1990), 2 Abstracts <i>J. Cell Biochem. Suppl.</i> 14 Part E, 004:33; 54:105.						
↓	CG	Katagiri et al. (1990), "The Non-Osteogenic Mouse Pluripotent Cell Line, C3H10T1/2 is Induced to Differentiate Into Osteoblastic Cells by Recombinant Human Bone Morphogenetic Protein-2," 172 <i>Biochem. Biophys. Res.</i> 1:295-299.						
EXAMINER Elizabeth C. Hemman				DATE CONSIDERED 1/24/02				

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 09/597517


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FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: CRP-059CPFW

APPLICANT: Kuberasampath et al.

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SERIAL NO.: ~~08/165511~~ 09/597517FILING DATE: ~~Herewith 6/20/00~~ GROUP: ~~1805~~ 1846jc531 U.S. PTO
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CH	Wozney et al. (1990), "Growth Factors Influencing Bone Development," 13 <i>J. Cell Sci. Suppl.</i> 149-156.
CI	Celeste et al. (1990), "Identification of Transforming Growth Factor β Family Members Present in Bone-Inductive Protein Purified From Bovine Bone," 87 <i>PNAS</i> 9843-9847.
CJ	Takuwa et al. (1991), "Bone Morphogenetic Protein-2 Stimulates Alkaline Phosphatase Activity and Collagen Synthesis in Cultured Osteoblastic Cells, MC3T3-E1," 174 <i>Biochem. Biophys. Res. Comm.</i> 1:96-101.
CK	Yamaguchi et al. (1991), "Recombinant Human Bone Morphogenetic Protein-2 Stimulates Osteoblastic Maturation and Inhibits Myogenic Differentiation In Vitro," 113 <i>J. Cell Biol.</i> 3:681-687.
CL	D'Allesandro et al. (1991), Abstract Q-105 <i>J. Cell. Biochem.</i>
CM	Israel et al. (1991), Abstract Q-111 <i>J. Cell. Biochem.</i>
CN	Thies et al. (1992), "Recombinant Human Bone Morphogenetic Protein-2 Induces Osteoblastic Differentiation in W-20-17 Stromal Cells," 130 <i>Endocrinology</i> 3:1318-1324.
CO	Wozney et al. (1992), "The Bone Morphogenetic Protein Family and Osteogenesis," 32 <i>Mol. Reprod. Dev.</i> 2:160-167.
CP	Rogers et al. (1992), "Bone Morphogenetic Proteins-2 and -4 are Involved In The Retinoic Acid-Induced Differentiation of Embryonal Carcinoma Cells," 3 <i>Mol. Biol. Cell</i> 2:189-196.
CQ	Wozney et al.; Celeste et al.; Rosen et al. (1992), Abstracts 76(WO26), 100(W502) and 103(W513) <i>J. Cell Biochem. Suppl.</i> 16 Part F.
CR	Israel et al. (1992), "Expression and Characterization of Bone Morphogenetic Protein-2 in Chinese Hamster Ovary Cells," 7 <i>Growth Factors</i> 139-150.
CS	Padgett et al. (1993), "Human BMP Sequences Can Confer Normal Dorsal-Ventral Patterning in the Drosophila Embryo," 90 <i>PNAS</i> 2905-2909.

EXAMINER

Elizabeth C. Kemmer

DATE CONSIDERED

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FORM PTO - 1449				ATTY DOCKET NO.: CRP-059CPFW					
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				APPLICANT: Kuberasampath et al.					
				SERIAL NO.: 08/445,467 09/597517					
				FILING DATE: May 22, 1995 6/20/00 GROUP: 1805 1646					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
Elk	BA	WO94/01106	03/29/84	PCT					
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
Elk	CT	Sampath et al. (1983), "Homology of Bone-Inductive Proteins From Human, Monkey, Bovine, and Rat Extracellular Matrix," 80 <i>Proc. Nat'l. Acad. Sci. USA</i> 6591-6595.							
	CU	Bentz et al. (1987), "Cartilage Induction and Differentiation: The Role of Bone Derived Cartilage Inducing Factor (CIF-A)," <i>Dev. & Diseases of Cartil. & Bone Matrix</i> 137-147.							
	CV	Ruscetti et al. (1991), "Transforming Growth Factor- β And The Immune System," 3 <i>Prog. Growth Factor Res.</i> 159-175.							
	CW	Sporn et al. (1992), "Transforming Growth Factor- β : Recent Progress and New Challenges," 119 <i>J. Cell Biol.</i> 1017-1021.							
	CX	Gross et al. (1993), "Transforming Growth Factor- β 1 Reduces Infarct Size After Experimental Cerebral Ischemia in a Rabbit Model," 24 <i>Stroke</i> 558-562.							
	CY	Reddi et al. (1993), "Initiation and Promotion of Bone Differentiation by Bone Morphogenetic Proteins," 8 <i>J. Bone Min. Res.</i> 2:S499-S502.							
	CZ	Sampath et al. (1994), "Structure, Function, and Orthopedic Applications of Osteogenic Protein-1 (OP-1)," <i>Complications in Orthop.</i> 101-107.							
	CAA	Deininger et al. (1995), "Detection of Two Transforming Growth Factor- β -Related Morphogens, Bone Morphogenetic Proteins -4 and -5, in RNA of Multiple Sclerosis and Creutzfeldt-Jakob Disease Lesions," 90 <i>Acta Neuropathol.</i> 76-79.							
✓	CAB	Schluesener et al. (1995), "Immunolocalization of BMP-6, a Novel TGF- β -Related Cytokine, in Normal and Atherosclerotic Smooth Muscle Cells," 113 <i>Atherosclerosis</i> 153-156.							

Elizabeth C. Kemmer 1/24/02



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OTHER ART, JOURNAL ARTICLES, ETC.			
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)		
<i>PA</i>	CAC	Schluesener et al. (1995), "Immunolocalization of vgr (BMP-6, DVR-6), a TGF- β -Related Cytokine, to Schwann Cells of the Rat Peripheral Nervous System: Expression Patterns Are Not Modulated by Autoimmune Disease," 13 <u>GLIA</u> 75-78.	
EXAMINER	<i>Elizabeth C. Kemmer</i>		DATE CONSIDERED 1/24/02